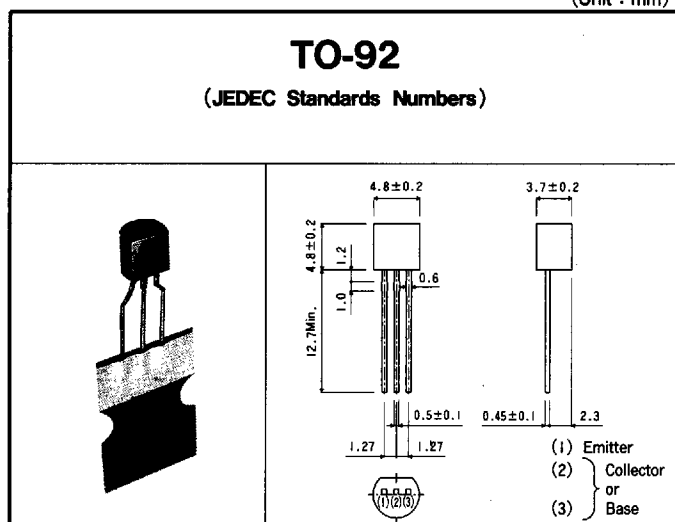


U.S. European Type Series

TO-92

Package style and dimensions

(Unit : mm)



NPN Transistors

Electrical characteristics of each Part No. can be looked up from the data of DIE No.

General purpose small signal amplifiers

Part No.	Package	BV _{CEO} Min.	BV _{CE0} Min.	BV _{EB0} Min.	I _{CBO} Max.	@V _{CB}	h _{FE} Min.	h _{FE} Max.	@I _C & V _{CE}	V _{CE(sat)} Max.	V _{BE(sat)} Max.	C _{ob} Max.	f _T Min.	@ I _C	NF	I _C Max.	DIE No.
2N2925	TO-92 (ECB)	25V	25V	5V	100nA	25V	235	470	2.0mA 10V			10pF	160MHz	Typ.		200mA	C22
2N3711 MPS3711	TO-92 (ECB) (EBC)	30V	30V	6V	100nA	20V	180	660	1.0mA 5V	1.0V	10mA					200mA	C22
2N3860	TO-92 (ECB)	30V	30V	4V	50nA	40V	150	300	2.0mA 4.5V	0.125V	10mA	4pF	90MHz	2.0mA		100mA	C22
2N5088	TO-92 (EBC)	35V	30V	4.5V	100nA	30V	300 350 300	900	100 μA 5V 1.0mA 5V 10mA 5V	0.3V	0.8V 10mA	4pF	50MHz	0.5mA	3dB	200mA	C22
2N5172 MPS5172	TO-92 (ECB) (EBC)	25V	25V	5V	100nA	25V	100	500	10mA 10V	0.25V	1.2V 10mA	10pF	200MHz	Typ.		200mA	C22
2N5210	TO-92 (EBC)	50V	50V	4.5V	50nA	35V	200 250 250	600	100 μA 5V 1.0mA 5V 10mA 5V	0.7V	0.85V 10mA	4pF	30MHz	0.5mA	2dB	200mA	C22
2N5232A	TO-92 (ECB)	70V	50V	5V	100nA	50V	250	500	2mA 5V	0.125V	10mA	4pF			5dB	100mA	C22
MPS8097	TO-92 (EBC)	60V	40V	6V	30nA 10 μA	40V 60V	250	700	100 μA 5V	0.65V (V _{BE(on)})	100mA	4pF	200MHz	10mA	2dB	200mA	C22
MPS-A09	TO-92 (EBC)	50V	50V	3V	100nA	25V	100	600	100 μA 5V	0.9V	10mA	5pF	30MHz	0.5mA	1.4dB (Typ.)	200mA	C22
MPS-A18	TO-92 (EBC)	45V	45V	6.5V	50nA	30V	400 500 500 500	1500	10 μA 5V 100 μA 5V 1.0mA 5V 10mA 5V	0.2V 0.3V	10mA 50mA	3pF	100MHz	1mA	4dB (Typ.)	200mA	C22
MPS-A20	TO-92 (EBC)	40V	40V	4V	100nA	30V	40	400	5mA 10V	0.25V	10mA	4pF	125MHz	5mA		100mA	C22